



State of Illinois
Pat Quinn, Governor
Illinois Department of Transportation
Gary Hannig, Secretary

Illinois Aviation



4th Quarter 2009

GOV. QUINN ANNOUNCES “REAL WORLD DESIGN CHALLENGE” PARTNERSHIP

INNOVATIVE PROGRAM WILL EDUCATE ENGINEERS OF TOMORROW



(L-R): Dr. Ralph Coppola, PTC, Sharon Running, FAA, Governor Pat Quinn, Mary Ellen Schutt, FAA

CHICAGO – September 14, 2009. Governor Pat Quinn today announced that Illinois will participate in a national education initiative that puts high school students alongside industry experts to gain engineering experience by developing a solution to a proposed challenge. Governor Quinn made the announcement during the iBIO Institute's launch of Finding Your Future, SCI: Science Career Investigation, a program that encourages students to explore career opportunities in science and technology industries.

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14TH ANNUAL FLIGHT INSTRUCTOR STANDARDIZATION CONFERENCE

The Illinois Department of Transportation - Division of Aeronautics, the Federal Aviation Administration, Springfield-FSDO and the University of Illinois - Institute of Aviation will jointly sponsor the annual FAA-approved Flight Instructor Renewal Clinic (FIRC) on Saturday, November 7, 2009. It will again be held at the **Rantoul National Aviation Center, Rantoul, IL., in the Octave Chanute Aerospace Museum** building. The entrance is on the northeast side. The airport is within walking distance of the conference facility. **The program begins promptly at 9:00am and ends at 5:00pm.** Please arrive early to register.



E. Allan Englehardt

E. Allan Englehardt presents this program. Each year, the program focuses on how instructors should prepare their students for specific flight tests such as the private pilot,

instrument or multi-engine rating. This year, the program will emphasize preparing students for the private pilot flight test.

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Illinois Department of Transportation
Division of Aeronautics

www.dot.il.gov/aero



MESSAGE FROM THE DIRECTOR SUSAN R. SHEA, Ph.D.



August 26, 2009 - Director Shea speaks at the “topping off ceremony” for the new terminal at the General Wayne A. Downing - Peoria International Airport (PIA). The new \$65 million, 125,000 square foot, state of the art terminal will improve passenger flow and reduce wait times for baggage. The new design will enhance security and accommodate future growth at PIA. The current terminal building is over 50 years old and was not designed to handle current levels of passenger traffic or the baggage handling requirements of modern aircraft. Construction of the new terminal is expected to use nearly 2 million pounds of steel and provide numerous jobs for Peoria area workers.

REAL WORLD DESIGN CHALLENGE

I’m really thrilled to be able to share with you an exciting new partnership that Aeronautics is involved in. On September 14, Governor Pat Quinn announced that Illinois schools are invited to participate in The Real World Design Challenge, a national competition that enables high school students to learn engineering skills through problem solving.

The Challenge is a ground-breaking public-private partnership that will enable students to apply the math and science they learn in their studies to a real engineering issue facing today’s aviation industry. Teams of students work together with a teacher to explore innovative solutions to a problem posed by aviation industry professionals. Their results are evaluated by scientists, engineers, college and university faculty and teachers. The best team in each State goes on to compete in the national competition held in Washington, D.C.

The Real World Design Challenge bridges the needs of industry with the future of education. It teaches

innovation, creativity, and collaboration using the expertise that industry, government, and higher education have been perfecting for decades.

Now here’s where I need the help of you, the Illinois Aviation Community...

If you have a child in high school or know a local high school teacher, please mention this opportunity to them. The more schools we get involved, the more students we can expose to aviation and engineering. Also, if you are an aviation professional, especially an aerospace engineer, please visit the Real World Design Challenge’s website and learn how you can help by signing up to be a Mentor. Again, the more young people we can reach out to and encourage, the better.

As a former educator myself, I’m personally excited about the opportunity to be involved with the Real World Design Challenge. The Challenge combines my two passions - education and aviation. It encourages teachers to challenge students by compelling them to apply their classroom knowledge to solve a real issue that today’s aviation professional are facing.



Governor Quinn & Lyndsay Casad

I’m pleased to have Lyndsay Casad of my staff as the Illinois State Coordinator for this Challenge, as she too, is a former teacher. For more information about the Challenge, please visit our website at www.dot.il.gov/aero. You’ll find all the contact information and

links you need to help become a part of this effort!

Fly High... Fly Safe... **Susan Shea**



SALUTING THE ILLINOIS **AIRPORTS OF THE YEAR**

THE SELECTION PROCESS

The State of Illinois is fortunate to have a number of truly excellent airports and heliports that provide important services to their local communities. Consequently, determining the Airport of the Year is always a difficult process. Each year, engineering and safety staff members of the Illinois Department of Transportation's Division of Aeronautics vote to determine which Illinois airports should receive special recognition. Selections are primarily based on the following criteria:

- Cooperation and coordination with the Division of Aeronautics and the Federal Aviation Administration by airport management and their staff.
- The facility's safety record.
- The sponsorship of seminars, aviation events and promotion of aviation in general.
- Maintenance of the facility.

Airports are categorized based on the type of aviation traffic that they serve and whether they are publicly or privately owned. The Division awards recognition to four categories of publicly owned airports:

- Primary Airports which serve 10,000 or more passengers annually
- Reliever Airports, which are primarily designed to serve General and Corporate Aviation in large metropolitan areas
- General Aviation Airports – Category A, which accommodate aircraft needing more than 5,500 feet of runway length
- General Aviation Airports – Category B, which serve aircraft requiring less than 5,500 feet of runway

Recognition is also given to the best privately owned, public use airport and the best heliport. Finally, the Division awards the "Five Prop Award" for fine dining on the airport.

PRIMARY AIRPORT OF THE YEAR

Williamson County Regional Airport



(L-R): FAA Chicago ADO Manager Jim Keefer, IDOT-Aeronautics Director Susan Shea, Chairman Carl Planinc, Airport Manager Doug Kimmel.

Williamson County Regional Airport (MWA) is located in the heart of southern Illinois near Marion. As Illinois' southern-most primary airport, Williamson County tackles unique challenges not normally seen in areas with larger metropolitan populations. As a primary proponent of Illinois' pilot I-FLY program, Airport Commission Chairman Carl Planinc and Manager Doug Kimmel worked closely with the Division to help secure legislation and funding to make much-needed commercial service operations available and affordable in southern Illinois.

Never complacent, Williamson County is continually working to maintain safe and clear approaches, and has in recent years programmed more than \$2 million toward land acquisition and obstruction removal to achieve that end. This year, Williamson County Regional Airport intends to open the west quadrant of the airport for business opportunities through the construction of a new west side parallel access taxiway. The project is currently on schedule and within budget.



RELEIVER AIRPORT OF THE YEAR

St. Louis Downtown Airport



(L-R): Val Juenger, FAA Chicago ADO Manager Jim Keefer, IDOT-Aeronautics Director Susan Shea, Airport Director Bob McDaniel, Metro Senior Vice President Jenny Nixon, and Amy Clements

The best view of the Gateway Arch is not in Missouri but in Illinois, especially from the St. Louis Downtown Airport located in Cahokia and Sauget. St. Louis Downtown (CPS), is “the” corporate and general aviation airport for downtown St. Louis and western St. Clair County. CPS is served by two full-service FBO’s, an airport restaurant and the St. Louis University flight training facility. The airport is also home to the Greater St. Louis Air and Space Museum which houses a number of antique aircraft and other exhibits.

St. Louis Downtown Airport’s history is rich in tradition and service. Owned and operated by METRO, a bi-state, regional transportation authority, St. Louis Downtown is consistently one of the busiest airfields in the State. Recently the airport received its FAR Part 139 certificate and is now undertaking a long-term enhancement of existing runways and taxiways to serve their multi-faceted users. Corporate activity at the airfield increases during major sporting and convention events in downtown St. Louis.

CPS sponsors and oversees the operation of the St. Louis Downtown Heliport, a novel approach that allows helicopters to use a converted barge on the Mississippi River at the base of the Gateway Arch.

St. Louis Downtown Airport is a convenient portal to St. Louis and Metro-East Illinois and is a great asset to the Illinois State Airport System.

GENERAL AVIATION CATEGORY A AIRPORT OF THE YEAR

Coles County Memorial Airport



(L-R): FAA Chicago ADO Manager Jim Keefer, IDOT-Aeronautics Director Susan Shea, Airport Manager Andrew Fearn

Coles County Memorial Airport (MTO), located between Mattoon and Charleston is a convenient access point to east-central Illinois. MTO has been serving the general aviation community for over 50 years. Construction of the airport started in 1951 and was completed the following year. Formal dedication in 1953 recognized and honored the men and women of the U.S. Armed Forces who served in the Korean Conflict.

The Coles County Memorial Airport averages 35,000 operations annually and maintains an FAA Part 139 Certification. Central Illinois Air is a full service Fixed Base Operator and offers a full range of aviation services including helicopter training.

MTO, in conjunction with IDOT Division of Aeronautics, hosts the FAA’s Pilot Proficiency Award (WINGS) Program in July each year. Now in its 19th year, the Wings Program is designed to encourage general aviation pilots to continue their training and increase their proficiency. Flight instructors from across the state volunteer their services for this renowned safety event. The program is open to all pilots with at least a sport or private certificate and is always well attended.

Coles County Memorial Airport is also home to the 43rd Annual Ray Johnson Civil Air Patrol (CAP) Flight Encampment, and to the Civil Air Patrol (CAP) Glider Flight Academy. These events provide an opportunity for Civil Air Patrol cadets to acquire flight training experience.



GENERAL AVIATION CATEGORY B AIRPORT OF THE YEAR Morris Municipal Airport



In 2007, Morris Municipal Airport (C09) completed a 1,000 ft-long runway extension to bring the primary runway length to 5,000 feet, and the jets have been landing there in increasing numbers ever since. Morris is located on Illinois Route 47 near the intersection of Interstates 55 and 80, making it an ideal location for the business-minded flyer to base an aircraft.

This year Morris is adding apron space for itinerant aircraft parking and pavement for another T-hangar building. Another 500 ft runway extension, which will maximize the airports north-south capability, is planned for next year. However, the Sponsor's ambition to create a first-class GA facility doesn't stop there. With strong support from Mayor Dick Kopczick and airport manager Jeff Vogen, Morris continues to program money to purchase land in anticipation of a future cross-wind runway.

Morris Municipal has an impeccable safety and maintenance record and is a strong advocate of the Division always working to promote the smooth and successful planning and administration of the airport's improvement program.

PRIVATE AIRPORT OF THE YEAR Cottonwood Airport



Cottonwood Airport (1C8) in Rockford has become a haven for sport aviation and Light Sport Aircraft. Cottonwood Airport has a single turf runway and is home to 44 aircraft. Cottonwood, a privately-owned public-use airport, is owned, operated and maintained by the Cottonwood Corporation, a group of dedicated aviators. Several years ago the airport faced what seemed at the time to be certain closure. Severe water and drainage problems presented what seemed to be an insurmountable challenge for a group of volunteers and investors to overcome at that time. They tackled the problems and the airport has since flourished with the addition of several new hangars and improvements to the runway.

EAA Chapter 22, one of the oldest and most active EAA chapters in the country, is based at Cottonwood Airport. Cottonwood Airport and EAA Chapter 22 frequently partner to host aviation events. Their joint achievements include hosting numerous Young Eagle flying events and a highly successful Light Sport Aircraft Open House.



Flight Instructor from on p.1

Speakers from the Transportation Security Administration, FAA Springfield FSDO and the FAA FAASTeam provide the latest information on topics of interest to instructors including FAA special emphasis areas, the new WINGS Program and TSA requirements for student training. This clinic is intended for current CFI's, Pilot Examiners, and FAR Part 141 & 142 Chief Instructors. There is a nominal charge for the noon working lunch, morning & afternoon refreshments, and the use of the building.

Flight instructor renewal programs require 16 hours of classroom training. This program, operating under the FAA approval of E. Allan Englehardt's Flight Standards Company, provides 8 hours of the required time each year. Instructors must attend for two consecutive years in order to renew.

Please register for this event by calling Dale Rust (IDOT) at (217) 524-5269 or Carol Para (IDOT) at (217) 785-4989.

HELIPORT OF THE YEAR

City of Clinton Heliport



(L-R): Clint Lichtenwalter, Airport Manager Tim Followell, IDOT-Aeronautics Director Susan Shea, FAA Chicago ADO Manager Jim Keefer, Mayor Ed Wollet, Joe Albanese

The City of Clinton and Doctor John Warner Hospital were faced with a dilemma. Property used by the hospital to airlift critical patients was no longer available and a heliport location at the hospital was not a practical option. The City of Clinton stepped up and, in cooperation with the Doctor John Warner Hospital, built a heliport on city property.

The City of Clinton Heliport truly represents a community undertaking. The state of the art heliport, which includes pilot controlled lighting, was made possible through joint funding of the City of Clinton, Doctor John Warner Hospital and the generous donation of a local contractor who assisted with the electrical work and lighting. The citizens of Clinton will benefit for years to come with this heliport, giving the ability to rapidly deliver critical patients to a level of higher care and having a safe heliport available for emergency and business use in the community.

"Five Prop Award"

AIRPORT RESTAURANT OF THE YEAR

Pilot Pete's in Schaumburg



(L-R): FAA Chicago ADO Manager Jim Keefer, IDOT-Aeronautics Director Susan Shea, June Johnson, Skip Barchfeld.

When you walk in to Pilot Pete's located above the terminal at Schaumburg Regional Airport, you would think that you were in another world. Pilot Pete is a fictional character, but the aviation décor is real! A full size Breezy airplane hangs from the rafters under the tin ceiling and the restaurant is loaded with aviation memorabilia and aircraft models everywhere you look.

Pilot Pete's diverse menu offers a wide variety of selections including tasty salads, sandwiches, appetizers and full dinners. The fine food and appealing atmosphere, along with a spectacular view of the Schaumburg Regional Airport, makes Pilot Pete's a favorite choice for both local residents and fly-in visitors.



Quinn from on p.1

"The Real World Design Challenge and the Science Career Investigation encourage students to pursue math, science and engineering fields, and puts our students in a great position to enter the working world," said Governor Quinn. "I hope Illinois students and teachers will take advantage of these great opportunities."

This year's challenge will involve designing the tail section of an aircraft to maximize fuel efficiency. Details will be provided to challenge participants on September 14. Project submissions are due January 15, 2010 and state winners will be announced in early February. State winners will then compete in the national challenge. The national winner will be announced in Washington, D.C. on March 29, 2010.

As part of the challenge, each participating teacher receives nearly \$1 million in state-of-the-art engineering software to use with their students. The students' project solutions will be evaluated by scientists, engineers, college and university faculty and teachers.

"This partnership builds on the State Board's goal to prepare students for success after high school and it challenges them to use their classroom skills on real-world projects," said State Superintendent of Education Christopher A. Koch.

The challenge is a part of Illinois' Innovation Talent education program, a public-private initiative designed to connect schools with industry, government and community partners to solve complex, real-world problems. Together, these programs are designed to promote innovation-centered education and increase student achievement in math, science and engineering.

"I am confident that these programs will play an important role in expanding our state's talent pool to include candidates who may never have otherwise discovered opportunities in our state's high-tech industries," said Norbert Riedel, Ph.D., iBIO Institute Chairman and Chief Scientific Officer of Baxter International Inc.

The Real World Design Challenge is a partnership involving the State of Illinois, U.S. Department of Energy, Federal Aviation Administration, Parametric Technology Corporation and others. It is open to all high schools in Illinois. More information about participating in the challenge can be found at www.dot.il.gov/aero

ILLINOIS AVIATION HALL OF FAME NOMINATIONS FOR YEAR 2010

CRITERIA FOR NOMINATION

- Individual must have been involved in some aspect of aviation, particularly in Illinois, over an extended period of time (15 or more years) rather than for a single event.
- Individual should be beyond the "mid-career" point".
- The individual's aviation involvement should include activities beyond just paid employment.
- Individual must have made a substantial contribution to the development of Illinois aviation with a high degree of excellence in activities.
- Individual must have unquestionable good character.
- Nominations must be received before November 1, 2009.

SPIRIT OF FLIGHT NOMINATIONS

- Nominee organization should be Illinois based, continuous over a long period of time and have made a substantial contribution to aviation in the state.

NOMINATION FORM IS AVAILABLE ONLINE OR CALL
847-683-2361 FOR A NOMINEE REQUEST FORM

WWW.ILAVHALLOFFAME.ORG



CALENDAR OF EVENTS

NOVEMBER 2009

November 7, 2009, 7:45am-5:00pm

Flight Instructor Standardization Conference

Rantoul National Aviation Center (TIP)

Dale Rust (217)524-5269 or Carol Para (217)785-4989

JANUARY 2010

January 9, 2010

Super Safety Seminar

IDOT Hanley Building, Springfield, IL

Dale Rust (217)785-4989

January 30, 2010

Chicago Aviation EXPO

IFR/VFR/Maintenance and Companion Seminars

Itasca Holiday Inn, Itasca, IL

Gary Stevens (217)785-5746 Gary.D.Stevens@illinois.gov



2010/11 PILOT AND AIRCRAFT REGISTRATION

The State of Illinois requires pilots and aircraft owners to register every two years. The 2010/11 Pilot and Aircraft Registration Cycle will begin November 1, 2009.

Renewal notices will be mailed out between the dates of November 1st-December 15th 2009. There will be a 6-8 week turn around on the renewal notices.

If you have not received your renewal notice by January 1, 2010 please notify the Pilot and Aircraft Registration Services at (217) 785-8223.

ILLINOIS AVIATION is published quarterly by the Illinois Department of Transportation, Division of Aeronautics. Comments, suggestions and submissions should be directed to Steven J. Long, P.E., Acting Bureau Chief of Aviation Safety, 1 Langhorne Bond Drive, Springfield, IL 62707 or email aero@dot.il.gov.

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